NW/NE Sec. 32, T36N, R30E

COUNTY <u>Apache</u>	<del></del>	AREA Redrock, A2	LEASE NU.	· 14-20-0630-8823 Nav.
WELL NAME Kerr	-McGee Corp	oration & Navajo		
LOCATION NW/NE/4	SEC _32	TWP 36N RANG	GE 30E FOOTAGE 620	' FNM & 2100' FEL
ELEV 7344 GR	KB SPU	D DATE 10-14.	-78 COMP. DATE //-	( FNI & 2100 ' FEI. ( OA) TOTAL 29-78 DEPTH 275 リ
CONTRACTOR Sign	1 01151 11	<del></del>	Captus Dila	Co PoA 9/88
CASING SIZE DEPTI			3	
75/4" 302				ROTARY
- •		\$5 ?>		CABLE TOOL <u>Completed Cu</u> RESERVOIR
201	0 23076	37	INITIAL PRO	DUCTION 84BO 126BW
				DUCTION 84BO, 124BW,
PODMATION TODO	DEPTHS	SOURCE L.L. E.L.	REMARKS	
Chinle	O	L.D. C.L.	CARRILLA	
COCONINO	570			
Hormosa	2380			
BIG. Shale	2885			
Infreside	2900			
	<b>_</b>			
			<u></u>	
				<del></del>
ELECTRIC LOGS	DER	FORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
GR-CBL-BTA		Pen hole	TROD: TRIBRATIES	SAMPLE DESCRP.
CFDL- Gr.		IEN LOIE		SAMPLE NO. 1803 CORE ANALYSIS
<u> </u>				DSTs
REMARKS Permit	extende	d to 12-3	1-1978	APP. TO PLUG
				PLUGGING REP.
			######################################	COMP. REPORT
WATER WELL ACCEPTED	BY		, , , , , , , , , , , , , , , , , , ,	
BOND CO. Firesma	an's Insuran	ce Company filely		ND 188 98 10-528
BOND ANT. \$ 25.0	200 .	CANCELLED	DATE ORGANIZATION	report <u>x</u>
-:	2			PLAT BOOK X
· <del></del>		<del></del>		N/2 of NE/4
PERMIT NUMBER690	2			

(over)

U.S. Onshore Region, Box 25861 Address Oklahoma City, OK 73125
Field & Reservoir Kerr-McGee Corporation Federal, State, or Indian Lease Number or lessor's name if fee lease. Navajo 14-20-0603-8823 Well No. Dineh-Bi-Keyah (Hermosa) 18 Sec-Twp-Rge or Block & Survey County Location of Well Apache 620' FNL & 2100' FEL, Sec. 32, T36N-R30E Character of well at completion (initial production):
Oil (bbls/day) | Gas (MCF/day) | | Application to drill this well was filed in name of Has this well ever produced oil or gas Dry? Kerr-McGee Corporation 84 23 yes Amount well producing when plugged: 10-17-84
Oil (bbls/day) | Gas (MCF/day) | W Total depth Date plugged: Water (bbls/day) Oil (bbls/day) 29541 9-9-88 12
Depth interval of each formation Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement Fluid content of each formation Name of each formation containing oil or gas, Indicate which formation open to wellbore at time of plugging \*See back 2890-2954 Oil, gas & water Hermosa **CASING RECORD** Give depth and method of parting casing (shot, ripped, etc.) Packers and shoes Put in well (ft.) Pulled out (ft.) Left in well (ft.) Size pipe 3021 9-5/8" 3021 -0-2890 2890 -0-Indicate deepest formation containing fresh water. Was well filled with heavy drilling mud, according to regulations? N/A NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE Direction from this well: Name Address There are no adjacent lease operators. Surface ownership is Navajo. In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required. Use reverse side for additional detail. CERTIFICATE: 1, the undersigned, under the penalty of perjury, state that I am the \_\_\_\_ Analyst. Kerr-McGee Corporation (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. (company) and that I am authorized by said company to make this report; and that this G. Bunas September 15, 1988

Signature

Form No. 10

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy

4/82

1986 GING RECORD

( GRASSING)

(3

Permit No.

690

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\*9-7-88 Set CIBP at 2820'. Tag CIBP at 2820'. Circ hole w/9.2#/gal mud. Pressure test casing to 500 psi for 30 min - held OK.

9-8-88 Spot 25 sxs Class "H" cement on top of CIBP (2704-2820'). Perf 4 holes at 350'. Establish Circ. Circ and squeeze 175 sxs Class "H". Circ 2 bbls cement out 9-5/8" surface casing.

9-9-88 Tag TOC at 80'. Pump 25 sxs Class "H" from 80' to surface in the 7" casing. Weld cap on 9-5/8" casing. Weld on P&A marker.

9-12-88 Restore & rehabilitate location. thru 9-13-88

(25)(485)

1.1

•				RECEIVE		approved.	
Form 3160-5		LINITED STAT	'ES	SUBMIT IN TRIPLICAT	E Evni	get Bureau No. 10 res August 31, 19	
(November 1983)	DEDAD.	TMENT F THE	INTERIO	R seize side):	5. LEASE	DESIGNATION AND SE	
(Formerly 9-331)	DEFAIL	THE PART OF LAND	MACENENT		/   1/4-2	0-0603-8823	
		EAU OF LAND MAN				AN, ALLOTTER OR TR	IRE NAME
	HNDRY NO	TICES AND REI	PORTS O	N WELLS			
(Do not use	this form for pro	posals to drill or to deel	pen or plug bac	k to a different reservoir.	Nava	io	
	Use "APPL	ICATION FOR PERMIT-	- for such prof	omit.)			<del></del>
1.					7. UNIT A	SKEN THREETS	
OIL X GI	ELL OTHER				<u> </u>		
2. NAME OF OPERA	TOR				S. PARM C	H CEASE NAME	
Kerr-McGe	e Corporati	on			Nava	ijo	
3. ADDRESS OF OFE					9. WELL		
*		Box 25861, Ok	lahoma Ci	+v ∩K 73125	18		
0.5. Olisii	ore Kegron,	n clearly and in accordan	nce with any St	tate requirements.*		AND POOL, OR WILD	CAT
See also space 1	T below.)	n fitziil and in accorda			<u> </u>		
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620' FNL	& 2100' FEL	1			11. 280	T., H., M., OR BLK. AN LVHT GR ABSA	D
					Sec.	32, T36N-R	30E
14. PERMIT NO.		15. ELEVATIONS (She	ow whether DF, I	iT, GR, etc.)	12. COUN	TY OR PARISH 13. 4	STATE
690 AZ		7344*	CR		Apad	he A	7.
070 RE		1 2344	<u> </u>				<del></del>
16.	Check A	Appropriate Box To	Indicate Na	iture of Notice, Report, o	r Other Date	3	• ,
	NOTICE OF IN	********		91126	EQUINT REPOR	ror:	
	NOTICE OF IN	1831103 10.		100		- +	
TEST WATER S	RUT-OFF	PULL OR ALTER CASINO	a	WATER SHCT-OFF		BEPAIRING WELL	
FRACTURE TRE	[	MULTIPLE COMPLETE		PRACTURE TREATMENT		ALTERING CASING	
SHOOT OR ACID	<del>  -  </del>	ABANDONª		SHOOTING OR ACIDIZING	1-1	TRANCONMENT*	X
		CHANGE PLANS		(Other)			
REPAIR WELL	لــا	CHA-VS FUSAG		(Norm: Report res	ults of maltipi	e completion on We	<u> </u>
(Other)				Completion or Reco			
17. DESCRIBE PROPO proposed wo nent to this t	SED OR COMPLETED rk. If well is din rork.) •	operations (Clearly statestionally drilled, give su	te all pertinent absurface location	details, and give pertinent da on and measured and true re-	rtical depths fo	or all markers and i	tones perti-
0.7.00	Cab OTER -	2020 t ma-	CTDD at 2	end orthograph	-10 2#100	I mud	-
9-7-88				820'. Circ hole v		r maa.	
	Pressure t	est casing to	500 psi i	or 30 min - held 0	JK.		
					<b>-</b> -		
9-8-88				op of CIBP (2704-2			
	Perf 4 hol	les at 350°. E	Establish	circ. Circ and so	queeze 17	5 sxs	
	Class "H"	. Circ 2 bbls	cement ou	it 9-5/8" surface o	csg.		
9-9-88	ምሳ <u>ራ ቸ</u> በር ሳ	- 801 Dump 25	ave Clas	ss "H" from 80' to	gurface	in the	
<del>3-3-00</del>	711 coc	Liold con co	0.5/011 0.	sing. Weld on P&	A marker		
	/ casing	• мета сар эн	9-3/6 Ca	asing. werd on ran	n marker.		
9-12-88	Restore &	rehabilitate l	location.		ē		
thru							
9-13-88							
			* * * * * * * * * * * * * * * * * * * *				
			•				
					•		

\*See Instructions on Reverse Side

TITLE

TITLE Analyst II

DATE 9-14-88

DATE

18. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use)

Music. Bunas

 $(x_1, \dots, x_n) \in \mathbb{R}^n \times \mathbb{R$ 

APPLICATION TO PLUG AND ABANDON JUL 5 <u>Dineh-Bi-Keyah</u> O & G CONS. (
ADDRESS U.S. Onshore Region, Box OPERATOR Kerr-McGee Corporation Federal, State or Indian Lease Number or Lessor's Name if Fee Lease WELL NO. \_\_\_18 14-20-0603-8823 Navajo TOTAL DEPTH \_\_2954! TYPE OF WELL \_ (Oil, Gas or Dry Hole) ALLOWABLE (If Assigned) \_\_\_ \_\_\_12\_ WATER (Bbls.) 252 LAST PRODUCTION TEST OIL\_ GAS \_\_\_\_3 DATE OF TEST 10-17-84 (MCF) PRODUCING FROM PRODUCING HORIZON \_\_\_\_\_ Rermosa 1. COMPLETE CASING RECORD. 9-5/8" 32.3# K55 ST&C @ 302'. Cemented w/250 sxs. 7" 20# K55 ST&C @ 2890'. Cemented w/250 sxs. 2. FULL DETAILS OF PROPOSED PLAN OF WORK. See attached plugging procedure and current well schematic. July 11, 1988 DATE COMMENCING OPERATIONS \_ Analyst II Title.S. Onshore Region, Box 25861 Oklahoma City, OK 73125 Address June 30, 1988 Date STATE OF ARIZONA 7/4/88 **OIL & GAS CONSERVATION COMMISSION** Date Approved\_\_ STATE OF ARIZONA Application to Plug and Abandon OIL & GAS CONSERVATION COMMISSION File Two Copies Form No. 9

63

690

Permit No.

4/82

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#### PROCEDURE NAVAJO #18

Location: 620' FNL & 2100' FEL Section 32 T36N, R3GE Apache County, Arizona

RKB - GL 11' Surface: Size Depth Cemented with 9 5/8" 250 sacks Class "B" Production: 2,890' 250 sacks Class "B" Proposed Plugs: 2850' - 2734' 25 sx, CIBP Inside 7" casing 350' - 218' 50 sx Inside - Outside 7" casing 65' -25 sx Inside - Outside 7" casing

- 1. Notify Bureau of Land Management and Arizona Oil and Gas Conservation Commission of plugging operations.
- RD and move pumping unit to yard.
- 3. MI and RU Pulling unit. NU BOP's.
- 4. Move 2 3/8" work string from yard to well location.
- PU and TIH with 7" CIBP on 2 7/8" tbg and set CIBP at ± 2850' RKB. Circulate hole with 9.2#/gal. mud.
- 6. MI and RU cementing company.
- 7. Spot a 25 sack class "H" cement plug on top of CIBP from 2850' 2734' RKB. Displace cement out of tbg with 9.2#/gal. mud. TGCH with tbg. Stand 350' of tubing in derrick. Lay rest down.
- 8. MI & RU wireline unit. TIH with 4" casing gun and perforate 4 holes in 7" casing at ± 350'. TOOH with 4" casing gun. (22 gram charges with .5" entry hole).

### U. S. Onshore Oper.

MAY 5 1983

E&PDIV.

1

9. Establish circulation down 7" casing with 9.2%/gal. mud. Mix and pump 50 sacks of class "h" cement (balanced plug). Displace cement using 9.2% mud. Top of cement @ ± 220' inside and outside of 7" casing. WOC.

- 10. TIH with 2 7/8" tbg and tag top of plug. TGOH and lay down 2 7/8" tbg.
- 11. Spot 25 sack Class "h" cement plug from 50' 5' inside and outside of 7" casing. A permanent monument must be centered in the wellbore. Monument must be labeled with the operator's name, well name and number, legal location, and lease number.
- 12. Weld cap on casing.
- 13. Clean, level, and reseed location.

NCTE: Obtain BLM and Arizona Corporation Commission plugging permits prior to plugging Navajo No. 18.

0KeAP 5-6-88

RAS-007/DLY16

THE PROPERTY OF THE PARTY OF TH

32.3 Series WELL SCHEWATIC ST+C! 2890' DESCRIPTION OF EQUIPMENT Jt. 27/8" 30'i K-55 ST+C surface 302' 7", 20# K-55 ST+C Casing 2890' Open Hole 2890' to 2954' RKB Pression ay
Ra Ras.

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ingenti

STATE OF ARIZONA

OIL AND GAS CONSERVATION COMMISSION

PERMIT 690

# REPORT ON PROPOSED OPERATIONS

Kerr-McGee Corporation  Exploration and Production Division P. O. Box 25861  Oklahoma City, OK 73125  Phoenix ARIZO July 6, 1988	NA —
our	ool,
THE PROPOSAL IS APPROVED PROVIDED:	
1. Adequate blowout prevention equipment is installed, tested, and maintained in good working condition throughout the abandonment of the well.	
2. All unplugged intervals shall be filled with heavy drilling mud.	
3. THIS COMMISSION IS NOTIFIED:	
a. To witness pumping of cement plug on top of the CIBP at ± 2850'.	

To witness cement squeezing operations at  $\pm$  350'.

To witness placing of the surface plug.

D. J. BRENNAN, Executive Director

BOND Blanket

By R. G. Yhana
Enforcement Director

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 30 days after the work has been completed or the operations have been suspended.

DINEH-BI-KEYAH FIELD

OIL SPILL REPORT

On May 31, 1984, Butch Rice, with Kerr-McGee in Amarillo, Texas, called this office to report an oil spill, as follows:

Date of Occurrance: May 28, 1984 6:00 p.m.

Nature of Spill: Pipeline Break

Cause: Earth movement put crimp on 6" line

Amount of Spill: 15 barrels of crude

Property Damage: Crude got into wash near well #18 in Sec. 32 and some of the crude was carried approximately 4,500 feet from

point of occurrance.

Agencies Notified: National Response Center, Washington, D.C.; BLM offices in Farmington, NM

Names of People (BLM) Notified: Marcia Petta, Environment; Lorraine Thomas, Land Administration; and Arlene Luther, Cleanup Supervisor.

Status of Cleanup: Kerr-McGee crews doing work - 90% complete (as of 5-31-84)

#### Brief Narrative:

This field (Dineh-bi-Keyah) is located in the Navajo Reservation in Northeastern Arizona (Apache County). The terrain is rugged with elevations up to 8,000 feet, and is dissected by numerous washes. A 6" oil-gathering line was crimped when a landslide occurred on May 28, 1984, spilling approximately 15 barrels of crude near producing well #18 Navajo in Sec. 32-36N-30E. The crude spilled into a nearby wash (unnamed) and was carried by the water (snow melt) some distance downstream. A collector pit in the wash failed as it was silted over by the recent runoff and some of the crude found its way about 4,500 feet from point of occurrance. Indians use some of this water for watering their stock. There is a shape of crude still in the water and until final cleanup Kerr-McGee will provide these people with fresh water. As of May 31, 1984, 90% of the cleanup has been accomplished. Oil-saturated soil and debris will be trucked out and replaced with clean soil. Arlene Luther, with BLM, is supervising cleanup operations. A copy of the final cleanup report will be sent to the Oil and Gas Conservation Commission.

I notified Arizona Department of Health Services, as listed in the Arizona Contingency Plan, and gave my report to Ted Blackburn with Waste Control. He related to me that he had been informed of the spill by EPA (Region 9) on May 28, 1984, and, in turn, he reported the incident to Will Gilbert with Water Quality Control Commission.

June 1, 1984

R. A. Ybarra

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG DESIGNATE TYPE OF COMPLETION:										1							
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Well X Ove	r 📙	Deep	en		Plug Back	<u>Ц</u>	Reser			Different Reservoi	<u> </u>	OII		Gas	<u> </u>	Dry	
					DESCR	HPTI	ON OF			LEASE							
Operator Address  Por 250: Amarilia Texas 79189											1						
Kerr-McGee Corporation Box 250; Amarileo, Texas 79189  Field & Reservoir																	
Federal, State or Indian Lease Number of Manie of Resolution																	
14-20-0603-8823   18   Dittell-B1-Reyall  Location   County																	
620' FNL, 2100' FEL Apache																	
Sec. TWP-Range o	Sec. TWP-Range or Block & Survey																
Sec 32 - T3	6N - R	30E	G &	SRM	Surv	ey_											
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11-29-78			]	eumpi	ng 2	1/2	" x 2	" x 1	6' R	WBC							_
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CERTIFICATE:															••••		
Kerr-McGe	e Corp	orati	Lon			(cor	npany),	and tha	t I am	authoriz	d by sa	d comp	any to m	ake this	report	; and th	at this
report was prep	ared under	my sup	ervisio	n and d	irection :	and th	at the fa	icly state	ed there	ein are ti	ge, gorr		complete	to the c	est or	my knov	AIEURE.
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(Complete Reverse Side)

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STREETS

ALLESSEE.

<u> </u>		Bottom	Description*
Formation	Тор	Bottom	
Chinle	0	570	Red shale w/thin stringers of sand
Coconino	570	1290	Massive sandstone w/shaley stringers
Hermosa	2380		Gray, dense limestone w/shale stringers
Black Shale	2885	2900	Black Shale
	2900		Syenite
Inrrusive	2900	TD <sub>.</sub>	Syeurce
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<u>.</u>		* .	
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<sup>\*</sup> Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

#### INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

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GAS-OIL RATIO TEST REPORTS

1000000

Filed under Oil-Gas Ratio Tests, Dineh-bi-Keyah Field in cabinet in office of Enforcement Director

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	porte.			
9-331		Form /	Approved. t Bureau No. 42 <u>-</u> R1	1424
Dec. 1973 UNITED STATES	5. LEASE	© 7 5 8 0 0 7 5 8 0	3 E 6 8	
DEPARTMENT OF THE INTERIOR		- 0603 -	***	
GEOLOGICAL SURVEY			OR TRIBE NAME	
GEOLOGICAL SORVET	Navajo	· 함설품성	0 7 m m	
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGE		IME	
to get use this form for proposals to drill or to deepen or plug back to a different		# K = F	<u> </u>	
servoir. Use Form 9–331—C for such proposals.)	8. FARM OR			
1. oii E gas other	Navajo		<del>प्रदेश</del>	
Well	9. WELL NO 18	A tear	Control of the contro	
2. NAME OF OPERATOR	10. FIELD OF			
Kerr-McGee Corporation 3. ADDRESS OF OPERATOR	Dineh-B	0 2 0	AMB Although American	
P. O. Box 250, Amarilllo, Texas 79189	11. SEC., T.,	R., M., OR B	LK. AND SURVE	Y OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17		10. 73. 50		
below.)	6 4 5 N	1 Survey		
AT SURFACE: 620 FNL & 2100 FRL AT TOP PROD. INTERVAL:	12. COUNTY	OK PANISH	7 7 5	
AT TOTAL DEPTH:	Apache 14. API NO.	10 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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REPORT, OR OTHER DATA	15. ELEVATI	ONS (SHOW	DF: KDB: AND	WD
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SIGNED	arry K. Bell	arry B Bell TITLE	Engineering Assistan	
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\*See Instructions on Reverse Side

0 a g cons. comm. 690

SUNDRY NOTICES AND REPORTS ON WELLS

I. Name of Operator KERR-McGEE CORPO	RATION
OIL WELL X GAS WELL COTHER C	(Specify)
Well Name NAVAJO No. 18	
Location 620' FNL, 2100' FEL	
Sec. 32 Twp. 36 N	Rev. 30 E County Apache Arizona.
4. Federal, State or Indian Lease Number, or lessor's name if	fee lease 14 - 20 - 0603 - 8823
5. Field or Pool Name Dineh - Bi - Keyah	
6. Check Appropriate Box to Indicate Nature of Notice, Repor	rt, or Other Date
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING FRACTURE TREAT DIRECTIONAL DRILL SHOOT OR ACIDIZE PERFORATE CASING REPAIR WELL CHANGE PLANS (OTHER)	G WATER SHUT-OFF MONTHLY PROGRESS FRACTURE TREATMENT ALTERING CASING SHOOTING OR ACIDIZING ABANDONMENT  (OTHER) Weekly Progress X
,	tNOTE: Report results of multiple completion on Well Completion
	or Recompletion Report and Log form.)
iterting any proposed work. If well is directionally drilled, sones pertinent to this work.)  Drilled 8 3/4" hole to 2890	Clearly state all perfinent details, and give perfinent dates, including estimated date of give subsurface locations and measured and true vertical depths for all markers and
Ran 70 jts. of 7" 20# K-55 casing - with 1/4#/sk Flocele	set at 2890'. Cemented csg. with 250 sks Class "B"
Drilled out cement w/cable tool to	
Ran Gamma-Ray CBL	RECEIVED
Drilled out rest of cement and 64'	of formation
Ran Base Temp. Log Fracture treated well as follows:	B P C COME COURS
Pumped 8,000 gals. gelled lea	D & G CONS. COMM.
Pumped 10,000 gals, gelled lea	ase crude w/1 ppg 10-20 sand
Pumped 14,000 gals, gelled lea	ase crude w/2 ppg 10-20 sand
Pumped 18,000 gals. gelled lea Pumped 5,100 gals. flush	ise crude w/3 ppg 10-20 sand
I.S.I.P.: 700 psi; A.I.R.: Ran temp survey - most of fluid tal	
R. U. & TIH w/sand pump - cleaned of	out 18' of fill-up
Ran tbg. set @ 2924' RKB swabbed we	ell - 2 runs recovered no fluid
Ran Tandem pressure bomb Lowered tbg. mud anchor @ 2938' ran	n pump and rods. Began pumping back frac load.
Report as of 11-11-78	
W. 10.1 (1) [2/11]	. Bell _nue Engineering Assistant Date November 14, 1978
J.	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Sundry Notices and Reports On Wells

Form No. 25

File Two Copies

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Permit No 690

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<i>*</i>					-
SUNDRY	NOTICES	AND	REPORTS	ON	WELLS

Name of Operator	KERR-	McGEE CORPORATI	ON			
Onl WILL	GAS WELL	OTHER [	(Specify)		·-·-	<del></del>
Well Name NA	/AJO # 18	·				
Location 620	) FNL, 2100'	FEL	····•		······································	
Sec. 32	Twp	36N Rec	30E	County	Apache	_ Arizona.
. Federal, State or India	in Louie Number, or	lessor's name if fee leas	14	- 20 - 0603 -	8823	<del></del>
Field or Pool Name	Dineh-Bi-					
		of Notice, Report, or Ot	ner Data			
rest water shut-o fracture treat moot or acidise repair well	DIRECTI PERFOR CHANGE	R ALTER CASING ONAL DRILL ATE CASING PLANS	WATER SHUT-	OFF EATMENT	report of:  Monthly progress  Repairing well  Altering casing  Abandonment	X
(OTHER)				port results of multip	ple completion on Well Con eport and Log form.)	***************************************

Drilling ahead at 2672 as of 10-27-78.

Larry R. Bell Twe Engineering Asst. Nov. 1. 1978

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies

690 Permit No....

Form No. 25

SUNDRY	NOTICES	AND	REPORTS	ON	WELLS

1. Name of Operator KERR-McGEE CORPORATION	
2. Onl. WELL S GAS WELL OTHER Specify)	
3. Well Name NAVAJO # 18	
Location 620' FNL, 2100' FEL	
sec. 32 rwp 36N nge 30E County Apache	Arizona.
4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14 - 20 - 0603 - 8823	
5. Field or Pool Name Dineh-Bi-Keyah	
8. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF MONTHLY PROPERTY OF THE PROPERTY OF TH	LL ING
(NOTE: Report results of multiple completion on V or Recompletion Report and Log form	Vell Completion i.)
<ol> <li>DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all perfinent details, and give pertinent dates, including starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths is sones pertinent to this work.)</li> </ol>	g estimated date of for all markers and
Spudded well at 3:00 A. M. 10-14-78.	-
Ran 7 jts. of 9 $5/8^{11}$ 32# and 36# K-55 set at 302°	·
Cemented with 250 sks Class "B" with 2% CaCl	•
Drilled 8 3/4" hole to 1372 as of 10-19-78	

Larry R. Bell mus Engineering Assistant Date Nov. 1, 1978 STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bundry Notices and Reports On Wells
File Two Copies

Form No. 28

690 Permit No.

(3

<u>:</u> (				
APPLICAT	ION FOR PERMIT	T TO DRILL OR I	RE-ENTER	
APPLICATION TO DRILL	r DX	RE	E-ENTER OLD WELL []	
Kerr-McGee Corporation				
NAME OF COMPANY OR OPERATOR			•	1
250	Amaril	110	Texas	79189
P. O. Box 250 Address	City		State	
	-			'
Signal Oilfield Service	Inc.			
Drilling Contractor 1200 Security Life Buile	ding Denver	Colorado 802	202	
Address	iring, Denvery	00101010		
	DESCRIPTION OF	WELL AND LEASE		
		Well number	Elevation (grou	ind)
Federal, State or Indian Lease Number, or if f	se tease, tidine or reason	18	7.344	
14-20-0603-8823 Navajo  Nearest distance from proposed location to property or lease line:		Distance from proposed	location to nearest drilling, or well on the same lease:	
to property or lease line:			:	feet
2,100	feet	1,	650	
Number of acres in lease:		Number of wells on lea completed in or drilling	to this reservoir:	
2,533			14	
	lame	A	ddress	!
If lease, purchased with one or more wells drilled, from whom purchased:		er e je	*	
			J Dedication (C	omply with Rule 105)
Well location (give footage from section lines	· • • • • • • • • • • • • • • • • • • •	wnship—range or block an		NE/4 Sec 32
620' FNL & 2100' FEL	Sec_32,	T36N,R30E, G6	SRM	··
Field and reservoir (if wildcat, so state) Dineh-Bi-Keyah	Hermosa	Apache	·	
Distance, in miles, and direction from neares				
9 miles Southwest of Re	d Dook Brigg	ona		
Proposed depth:	Rotary or cable tools	Rotary to 291	Approx. date work will sta	1070
3,2501			Filing Fee of \$25.00	
Bond Status Blanket Bond	Organization Report		Attached yes	<u></u> :
Amount	On file X	Or attached		
Remarks:			•	
Development We	e11			
CERTIFICATE: I, the undersigned, under	the penalty of perjury, s	tate that I am the Dis	<u>trict Manager-D</u>	rilling of th
Kerr-McGee Corporation report was prepared under my supervision as	direction and that the fa	and that I am authorized in icts stated therein are true.	correct and complete to the	best of my knowledge
			Moroca	<u>و</u>
RE	المستعدد	Signature	J. Breeden	
ró:	R - 5 1978			
F.P.	( 9 1210	March Date	30, 1978	<u> </u>
0 & 0	CONS. COMM.	- V		
1011				
Permit Number:	<del>/</del>	_	STATE OF ARIZONA	•
Approval Date: 4	7	OIL & G	AS CONSERVATION CO	MMISSION

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

APLNO, 02-001-20139 (Comp.

Approved By:\_\_\_\_(

(Complete Reverse Side)

Form No. 3

Application to Drill or Re-enter

File Two Copies

C

2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.

3. All distances shown on the plat must be from the outer boundaries of the Section.

4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO

5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation

6. If the answer to question four is "no," list all the owners and their respective interests below:

)wner		1.3	and Description	
		↑ 620'		CERTIFICATION  I hereby certify that the information above is true and complete to
		Х	- 2,100°- <del></del> >	the best of my knowledge and belief.  Name A Breeden
				Position District Mgr-Drilling Company Kerr-McGee Corporation
				March 30, 1978
				I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
				Date Surveyed  Registered Professional Engineer and/or Land Surveyor
0 330 660 990	1320 1650 1980 2310	2640 2000 1500	1000 500	Certificate No.

PROPOSED CASING PROGRAM Cementing Depths Sacks Cement Bottom Size of Casing Weight Grade & Type 300 9 5/8" 300 300 32.3 H - 400 20.0 K-55 0 2,910 2,910 250 Open Hole below 7" THOL II.



## PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION, STATE OF ARIZONA,

Ta	Kerr-Ho	Gee Corpora	tion		
То:		(OPERATOR)			
	to drill a w	ell to be kno	wn as		
	¥e:	rajo No. 18			· · · · · · · · · · · · · · · · · · ·
		WELL NAME)			
located	620 FNL	& 2100' PEL	. (nw/ne/4)	<del> </del>	
	Township 36N Range	30E , .	Appehe	County	, Arizona.
The		18 N/2 of 1	rs/4		of said
	and Range is dedicated to	this well.			
Said well is to	o be drilled substantially as with all applicable laws, st	outlined in th	ne attached Applica and regulations of	ation and must the State of A	be drilled
Issued this	28th day of April		,	19 <u>78</u> .	
		OIL AN	CAS CONSERV	ATION COMA	AISSION
		[			

PERMIT

RECEIPT NO. 1084

API No. 02-001-20239

 $N_{\cdot}^{o}$ 

690

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

- 1885-**- 1885**-- 1

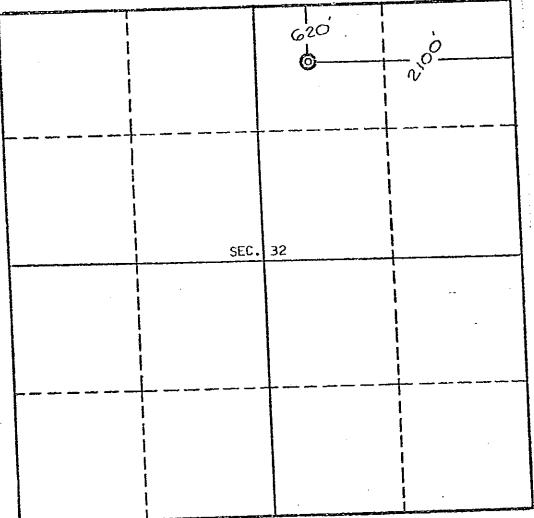
r

Company Kerr-McGee Corporation

Well Name & No. NAVATO No. 18

Location 620 feet from the North line and 2100 feet from the East line.

Sec. 32 , T. 36 N., R. 30 E., G. & S. R. M., County Apache , Arizona



Scale, 1 inch = 1,000 feet

		10	77
	October 12		, <u></u>
Surveyed			

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

ESEBIST V. (5)
ECHOHAWK

Ground Elevation 7344

Ernest V. Echohawk Registered Land Surveyor Arizona Registration No. 2311

REULI, L.J.
APR 0 1978

OG 17 Wil

O & G CONS. COMM.

31.19

744, U.S.

KERR-MCGEE CORPORATION

KERR-MCGEE CORPORATION

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

SEP 2 1 1988

0 & 6 C.HE. C. . A

PLEASE REPLY TO

EXPLORATION AND PRODUCTION DIVISION U. S. ONSHORE REGION P. O. BOX 25861 OKLAHOMA CITY, OKLAHOMA 73125

PHONE

405 848-9750

September 16, 1988

State of Arizona
Oil & Gas Conservation Commission
Suite 190
3110 N. 19th Avenue
Phoenix, AZ 85015

Re: Navajo #18
Dineh-Bi-Keyah Field
Apache County, Arizona

Gentlemen:

Attached is the "Plugging Record" for the above well. Also attached is a copy of the "Subsequent Report of Abandonment" which was filed with the BLM.

If additional information is required, please advise.

Sincerely,

KERR-MCGEE CORPORATION

Gaylan Bunas Analyst 11

La de

W. A. Walz
Engineering Manager

GGB365:11s03

xc: I. Geddie/CFR CAR/WRF HHR GGB CF



JUL 5 1988

G & G COHS. COMM.

PLEASE REPLY TO

EXPLORATION AND PRODUCTION DIVISION U.S. ONSHORE REGION P. O. BOX 25361 OKLAHOMA CITY, OKLAHOMA 73125

June 30, 1988

PHONE 408 848/9750

State of Arizona Oil & Gas Conservation Commission Suite 190 3110 N. 19th Avenue Phoenix, AZ 85015

Re:

Navajo **#**18 Dineh-Bi-Keyah Field Apache County, Arizona

Gentlemen:

Attached in duplicate is an "Application to Piug and Abandon" for the above well. If additional information is required, please advise.

Sincerely,

KERR-MCGEE CORPORATION

Gaylan Bunas Analyst 11-

Engineering Manager

WAW:GGB327:11s01

xc:

i. Geddie/CFR S. W. District CAR/WRF

GGB

CF

RECEIVED

OCT 19 1978



D&G CONS. COMM,

P. O. BOX 250 . AMARILLO, TEXAS 79105

806 376-7256

October 13, 1978

State of Arizona Arizona Oil and Gas Conservation Commission 1645 West Jefferson Suite 420 Phoenix, Arizona 85007

Attention: W. E. Allen

Dear Mr. Allen:

Enclosed please find two (2) copies of Form No. 25, "Sundry Notices and Reports on Wells," for Kerr-McGee Corporation's Navajo No. 19, 21, and 24, located in Apache County, Arizona, Dineh-Bi-Keyah Field. Two copies of an "Application for Permit to Drill" for the Navajo No. 20 are also enclosed.

Also, Kerr-McGee Corporation respectfully requests another extension on the "Permit to Drill" for the Navajo No. 18. This well will be spudded the week of 15-21, October 1978.

Should you need further information concerning operations to date, please call me collect at 806/359-0351.

Sincerely,

KERR-MCGEE CORPORATION

Larry R. Bell Engineering Asst.

LRB/sh

Enclosures

Extension granted to Dec. 31, 1978

July 20, 1978

Mr. Larry R. Bell Engineering Assistant Southwest District - N.A. Kerr-McGee Corporation P.O. Box 250 Amarillo, Texas 79105

> Re: Extension of Drilling Permits for Kerr-McGee Corporation's Navajo Wells No. 18 & No. 19, Apache County, Arizona

Dear Larry:

We are extending permits on the above referenced wells for 90 days from the 28th day of July, 1978.

In the event further extension is necessary, please advise prior to the expiration date.

Very truly yours,

W. E. Allen Director Enforcement Section

WEA/vb

GURATUR

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JUL 20 1978

July 18, 1978

PHONE 806 376-7256

State of Arizona Oil and Gas Conservation Commission 1645 W. Jefferson, Suite 420 Phoenix, Arizona 85007

RE: Extension of Drilling Permits for Kerr-McGee Corporation's Navajo Wells No. 18 & No. 19, Apache County, Arizona

Attention Mr. W. E. Allen

Dear Mr. Allen:

Thank you for advising us that the permits to drill the above referenced wells will soon expire.

Kerr-McGee Corporation respectfully requests an extension on these drilling permits, as drilling operations on the Navajo No. 18 and No. 19 will not begin for several weeks. Also, would you please advise us as to the length of extension we may expect to receive on these permits.

We should spud the Navajo No. 22 about July 21, 1978, and we will begin filing Form 9-331, "Sundry Notices and Reports on Wells", weekly as operations progress. I will try to have these reports in the mail every Thursday and hopefully they will reach you by the following Monday. If they do not reach you by then, please let me know and I will mail them earlier.

Thank you again. Working with you and your office is always a pleasure.

Sincerely,

5,

KERR-MCGEE CORPORATION

Larry R. Bell Engineering Assistant Southwest District - N. A.

LRB/ra

cc: Navajo Tribe-Minerals Department

July 13, 1978

Mr. C. J. Breeden
District Manager-Drilling
Kerr-McGee Corporation
P.O. Box 250
Amarillo, Texas 79105

Re: Kerr-McGee Navajo No. 18 NW/4 NE/4 Sec. 32, T36N, R30E, Apache County State Permit No. Kerr-McGee Navajo No. 19 NN/4 NE/4 Sec. 31, T36N, R30E, Apache County State Permit No. 691

Dear Mr. Breeden:

This letter is to advise you that the drilling permits issued on the above referenced wells will expire on July 28, 1978 unless the wells have been spudded prior to that date.

Should you wish an extension on these drilling permits, please advise this office, by letter, prior to the expiration date.

Very truly yours,

W. E. Allen Director Enforcement Section

WEA/vb

April 28, 1978

Mr. C. J. Breeden
District Manager-Drilling
Kerr-McGee Corporation
P.O. Box 250
Amarillo, Texas 79105

Re: Kerr-McGee Navajo No. 18 NW/4 NE/4 Sec. 32, T36N, R30E, Apache County State Permit No. 690 Kerr-McGee Navajo No. 19 NW/4 NE/4 Sec. 31, T36N, R30E, Apache County State Permit No. 691

Dear Mr. Breeden:

Attached you will find your approved copies of the applications to drill, the drilling permits, and our receipt No. 1084 in the amount of \$50.00.

It will be appreciated if you will advise me prior to spudding of these wells.

Very truly yours,

W. E. Allen
Director
Enforcement Section

WEA/vb

Enc.

1090

KERR-MCGEE CORPORATION

APR 3 1978

RECELLIA

DEG CONS. COMM.

626 AMARILLO PETROLEUM BUILDING P. O. BOX 250 . AMARILLO, TEXAS 79105

> PHONE 806 376-7256

March 30, 1978

Oil and Gas Conservation Commission State of Arizona 1645 West Jefferson, Suite 420 Phoenix, Arizona 85007

Attention: Mr. W. E. Allen

Gentlemen:

Enclosed are two copies of form no. 3, Application for Permit to Drill, two copies of a Registered Surveyors Plat, and a check of \$25.00 for the filing fee for the proposed Kerr-McGee Corporation Navajo No. 19, located 1,980' FEL and 1,020' FNL of Section 31, T36N, R30E, G&SRM Survey, Dineh-Bi-Keyah Field, Apache County, Arizona

Also please accept this as an answer to Mr. Allen's letter of February 28, 1978 concerning the hearing on spacing in this field and if Kerr-McGee was transmitting an application to drill before the hearing.

Sincerely,

KERR-McGEE CORPORATION

C. J. Breeden

District Manager - Drilling Southwest District - North America

CJB/vs

Enclosures

cc: The Navajo Tribe Minerals Department P. O. Box 146 Window Rock, Arizona 86515

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REALITING

C. SHELTON 2506

THE ENDORSE BY PAYER OF THE DETACHED CHECK CONSTITUTION FOR THE ITEMS LISTED BELOW

DATE

INVOICE NUMBER OR DESCRIPTION

FILLING FEE FOR APPLICATION FOR PERMIT TO DRILL KERR-MCGEE
NAVAJO #18, LOCATED 620' FNL AND 2,100' FEL OF SECTION 32

T36N, R30E, APACHE COUNTY, AZ

O & G COMM.

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